

CLAIMS

1. A portable computing device comprising:
a keyboard controller having a first input for receiving keystroke inputs and
5 having an output for conveying said keystroke inputs to a main processor; and
a secondary processor having an interface to said keyboard controller through a
secondary bus, said secondary bus also being used to communicate with a battery
module, wherein said keyboard controller also conveys said keystroke inputs to said
secondary processor through said secondary bus.
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2. The portable computing device of claim 1 wherein said secondary bus is an
I2C bus.
3. The portable computing device of claim 1 wherein said keyboard controller
15 additionally receives inputs from a graphical pointing device that directs an indicator to
move correspondingly about a computer screen.
4. The portable computing device of claim 1 wherein said secondary processor
includes an interface to a database that stores a plurality of names and corresponding
20 contact information.
5. The portable computing device of claim 1 wherein said secondary processor
includes an interface to a network interface, said secondary processor executing a World
Wide Web browsing function in association with said network interface.
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6. The portable computing device of claim 1 wherein said secondary processor
includes an interface to a shared audio subsystem.
7. A method for operating a portable computing device in a low-power mode,
30 comprising:
receiving keystroke inputs by a keyboard controller;

said keyboard controller transmitting said keystroke inputs to a secondary bus,
said secondary bus also being used to communicate with a battery module; and

said keyboard controller refraining from transmitting said keystroke inputs to a
main processor, thereby operating said portable computing device in said low-power
mode.

8. The method of claim 7 wherein said secondary bus is an I2C bus.

9. The method of claim 7 further comprising said keyboard controller receiving
inputs from a graphical pointing device that directs an indicator to move
correspondingly about a computer screen of said portable computing device.

10. The method of claim 7 further comprising a secondary processor, which
interfaces to said secondary bus, searching a database that stores a plurality of names
and corresponding contact information.

11. The method of claim 10 further comprising said secondary processor
communicating with a network and executing a World Wide Web browser function in
association with said network.

12. The method of claim 11 wherein said secondary processor executes a Java
application program.

13. In a keyboard controller, a method for operating a portable computing
device, comprising:
receiving keystroke inputs by a keyboard controller;
determining if said portable computing device should be operated in a low-
power mode;

said keyboard controller transmitting said keystroke inputs to a secondary bus,
said secondary bus also being used to communicate with a battery module; and

said keyboard controller refraining from transmitting said keystroke inputs to a main processor based on said determining action, thereby operating said portable computing device in said low-power mode.

5 14. The method of claim 13 wherein said secondary bus is an I2C bus.

15 15. The method of claim 13 further comprising said keyboard controller receiving inputs from a graphical pointing device that directs an indicator to move correspondingly about a computer screen of said portable computing device.

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16. The method of claim 13 further comprising a secondary processor, coupled to said secondary bus, searching a database that stores a plurality of names and corresponding contact information.

15 17. The method of claim 16 further comprising said secondary processor communicating with a network and executing a World Wide Web browser function in association with said network.

20 18. In a portable computing device which executes a power on system test (POST) program, wherein said POST program accesses a data structure resident in a memory element used by said POST program, wherein said data structure includes a plurality of data objects which instruct a keyboard controller to execute a method which comprises:

25 determining if said portable computing device is to be operated in a low power mode;

said keyboard controller receiving keystroke inputs;

transmitting said keystroke inputs to a secondary bus, said secondary bus also being used to communicate with a battery module; and

30 said keyboard controller refraining from transmitting said keystroke inputs to a main processor based on said determining action, thereby operating said portable computing device in said low-power mode.

19. The method of claim 18 wherein said secondary bus is an I2C bus.

20. The method of claim 18 further comprising said keyboard controller
receiving inputs from a graphical pointing device that directs an indicator to move
5 correspondingly about a computer screen of said portable computing device.

21. The method of claim 18 further comprising a secondary processor, coupled
to said secondary bus, searching a database that stores a plurality of names and
corresponding contact information.

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22. The method of claim 21 further comprising said secondary processor
communicating with a network and executing a World Wide Web browser function in
association with said network.

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